Long View CR/SW (SWIR)

Advanced Long-range Portable Multifunction Day/Night Observation and Target Acquisition System

LONG VIEW CR/SW is a versatile combined day/night system for long-range observation and target acquisition. Integrating a longrange zoom Thermal, day and SWIR (optional) channels, eyesafe laser rangefinder, GPS and magnetic compass and mounted on a tripod or P&T, LONG VIEW CR is an outstanding tool for acquiring targets and engaging fire from long ranges.

Main Features

- Long-range high resolution MWIR thermal channel with continuous zoom (optional magnifier)
- Long-range spotter day camera
- Long-range high resolution SWIR channel with continuous zoom*
- Advanced UX – Android OS*
- Medium-range color day channel with continuous zoom
- Integral DMC, GPS and eyesafe LRF
- High resolution OLED display; no need for diopter adjustment
- Remote control option
- Video recording capability > 7 hours
- Integral target data bank
- Lightweight & completely dismountable

Elbit Systems™

Security & Tactical EO Solutions – ELSEC

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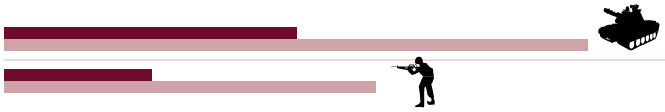
Technical Data

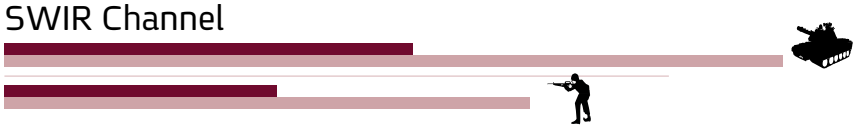
Thermal Imager		Laser Rangefinder	
Spectral band	MWIR	Wavelength	1.54µm
IR Detector	InSb, 640x512 elements	Laser safety	Class 1 – IAW IEC 60825-1 2007-03
Fields of View (FOV) Continuous optical zoom	Continuous optical zoom X >16 H-NFOV < 0.75° H-WFOV > 12.5° H-NFOV with x2 Ezoom < 0.375° H-NFOV with x4 Ezoom < 0.19 Excellent performance	Range	12 km for NATO target
		Northing	
		Azimuth accuracy	1 deg RMS with integrated magnetic compass
SWIR Imager*		GPS	
Spectral band	1.6-1.8µm	Mode	C/A mode, 12 channels
Detector	InGaAs, 640x512 elements	Horizontal accuracy	10m (1)
Fields of View (FOV) Continuous optical zoom	Continuous optical zoom > x2.5 H-NFOV < 0.36° H-WFOV > 0.9° H-NFOV with x2 Ezoom < 0.18° Excellent performance	Interfaces	
		• Video out • Communication • Mounting	PAL H.264*, HDMI* RS422, Ethernet, BNC, USB 2.0* Tripod or Mast
CCD Cameras		Operating time	> 7 hrs. (one battery)
		Power sources	Rechargeable battery or 24VDC external (optional)
NFOV Single FOV Spotter	H-FOV <0.4 LVCR (monochrome), LVSW (color) H-NFOV with x2 E-zoom < 0.2°	Weight	<13.5 kg, excl. Battery and electronic goniometer
Medium and Wide FOV Continuous optical zoom Color or BW (ICR)	Continuous optical zoom X >16 H-WFOV > 29° H-NFOV < 1.8° H-NFOV with x2 Ezoom < 0.9°	Environmental conditions	IAW MIL-STD-810F
Eyepiece	Binocular may be used with glasses with inter pupil adjustment, no need for diopter adjustment; high resolution color OLED	Operating temperature	-32°C to +55°C

Range Performance

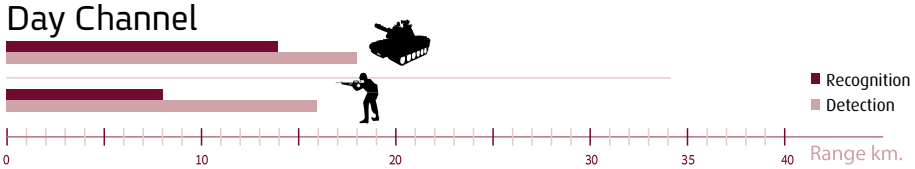
Thermal Channel



SWIR Channel



Day Channel



Applications

- Long-range intelligence and surveillance units
- Special forces
- Long-range reconnaissance vehicles
- Stationary observation posts

* optional

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